

WHAT IS CLAIMED IS:

1. A cable television subscriber tap conversion system for converting a passive cable television subscriber tap to an addressable subscriber tap, comprising:
 - an addressable control module for coupling to the passive cable television subscriber tap;
 - a RF switch module for coupling to a subscriber drop fitting located on the passive cable television subscriber tap and coupled to said control module; and
 - a probe assembly for coupling said addressable control module to the passive cable television subscriber tap.
2. The cable television subscriber tap conversion system of claim 1, wherein said addressable control module comprises a control wire interface for coupling one or more control wires to corresponding RF switch modules.
3. The cable television subscriber tap conversion system of claim 1, wherein said RF switch module comprises a control circuit having:
 - an RF switch coupled to a subscriber drop cable;
 - a voltage rectifier for providing power to said RF switch having an input coupled to a control signal and an output coupled to said RF switch;
 - a capacitor coupled between a ground signal and an output of said voltage rectifier;
 - a microcontroller for controlling and monitoring said RF switch having a control input coupled to the control signal, a power input coupled to an output of voltage rectifier, an input coupled to said RF switch for receiving monitoring information related to the subscriber drop cable and an output coupled to said RF switch for controlling the operation of said RF switch.

4. The cable television subscriber tap conversion system of claim 1, wherein said RF switch module comprises a control circuit having:
 - a plurality of RF switches coupled to a subscriber drop line;
 - a voltage rectifier for providing power to each RF switch within said plurality of RF switches having an input coupled to a control signal and outputs coupled to each RF switch within said plurality of RF switches;
 - a capacitor coupled between a ground signal and an output of said voltage rectifier;
 - a microcontroller for controlling and monitoring each RF switch within said plurality of RF switches having a control input coupled to the control signal, a power input coupled to an output of said voltage rectifier, an input coupled to each said RF switch for receiving monitoring information related to the subscriber drop cable and an output coupled to each said RF switch for controlling the operation of each said RF switch.
5. The cable television subscriber tap conversion system of claim 4, wherein said plurality of RF switches monitor a plurality of RF frequency bands within the subscriber drop line and support independent on/off control of each RF frequency band with the plurality of RF frequency bands.
6. The cable television subscriber tap conversion system of claim 1, wherein said probe assembly comprises:
 - a seize screw probe for tapping into a coaxial cable; and
 - a threaded attachment for affixing said addressable control module to a seizure screw located on the passive cable subscriber tap.
7. The cable television subscriber tap conversion system of claim 6, wherein said seize screw probe taps a tap seizure screw of the passive cable television subscriber tap to provide access to network power and control signals.

8. The cable television subscriber tap conversion system of claim 1, wherein said probe assembly comprises:
 - a seize screw probe for tapping into a coaxial cable;
 - a threaded attachment for affixing said probe assembly to a seizure screw located on the passive cable subscriber tap; and
 - a cable for coupling said probe assembly to said addressable control module.
9. The cable television subscriber tap conversion system of claim 8, wherein said seize screw probe taps a tap seizure screw of the passive cable television subscriber tap to provide access to network power and control signals.